

L4 ANSWER 386 OF 561 CA COPYRIGHT 2004 ACS on STN  
 AN 110:120184 CA  
 ED Entered STN: 03 Apr 1989  
 TI Hydraulic **cement** with high durability and strength  
 IN Uchida, Shunichiro; Habara, Toshisuke  
 PA Onoda Cement Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC ICM C04B007-345  
 CC 58-1 (Cement, Concrete, and Related Building Materials)  
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63248751	A2	19881017	JP 1987-79717	19870402
PRAI	JP 1987-79717		19870402		

AB The hydraulic **cement** contains  $11\text{Ca}0.7\text{Al}2\text{O}3.\text{CaX}2$  (X = halogen) 5-30, anhydrite 5-30,  $\text{Al}(\text{OH})3$  and/or  $\text{Al}2(\text{SO}4)3$  0.5-10%, and balance Ca silicate and/or siliceous powder at a  $(\text{CaO}-3\text{Al}2\text{O}3-\text{SO}3)/\text{SiO}2$  mol ratio .ltoreq.1.7. Thus, **cement**, comprising  $11\text{Ca}0.7\text{Al}2\text{O}3.\text{CaF}2$  13, C3S 27, blast-furnace slag 40, anhydrite 19, and  $\text{Al}(\text{OH})3$  1 wt.%, was mixed with sand, alkali-resistant glass fiber, Mighty 150,  $\text{HNO}3$  (as setting retardant), and **water**, molded, and hardened to give a **cement** product having initial, 7-, and 91-day bending strength 240, 320, 290 kg/cm<sup>2</sup>, resp.

ST calcium aluminate hydraulic **cement**; silicate calcium hydraulic **cement**; anhydrite hydraulic **cement**; aluminum hydroxide hydraulic **cement**; blast furnace slag hydraulic **cement**

IT Glass fibers, uses and miscellaneous  
 RL: USES (Uses)  
 (cement reinforced with, manuf. of

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